\downarrow : is the regions for β-sheet deletions

*: is the N-linked glycosylation sites for subtype C TV1 and TV2. Possible mutation (N \rightarrow Q) or deletions can be performed.

SF162 TV1.8_2 TV1.8_5 TV2.12-5/1 Consensus	(1) (1) (1) (1)	1 50MDAMKRGLCCVLLLCGAVFVSPSAVEK WEST MRVMGTQKNCQQWWIWGILGFWMLMICNTED WRS K MRVMGTQKNCQQWWIWGILGFWMLMICNTED WRE K MRARGILKNYRHWWIWGILGFWMLMMCNVKG GRE K MRVMGTQKNCQQWWIWGILGFWMLMICNVEDLWVTVYYGVPVWREAKTŢL
SF162 TV1.8_2 TV1.8_5 TV2.12-5/1 Consensus	(47) (51) (51) (51) (51)	* 100 IVE IVE IV G ET IV G AD EK CASDAKAYETEVHNVWATHACVPTDPNPQEIVLGNVTENFNMWKNNMVD
		β2/V1V2/β3 *
SF162	(97)	101
TV1.8 2	(101)	WHEN SOME THE SERVICE OF THE SERVICE
TV1.8 5	(101)	HE I DINVIGNOTUTION THE INCOME.
TV2.12-5/1	(101)	(%Q:::XIXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Consensus	(101)	QMHEDIISLWDQSLKPCVKLTPLCVTLNCTNTNVTGNRTVTGNSNSN A
		151 * * *
SF162	(139)	WKEMDRGE NEW STEN MONEY DNDNTSY
TV1.8_2	(151)	TGIYNIEEM>>>>NA>>EL>>D>KH>>Y>>>>>>I>>>LNENSDNFTY
TV1.8_5	(151)	NATYKYEEM NA EL D KH Y NE I DLNENSMNFTY
TV2.12-5/1	(141)	K%M%%%%%XXXXEL%D%KK%%N%%%%%%%%%%%%%%%%%%%%%%%%
Consensus	(151)	A Y EEMKNCSFNVTTELRDKKHKEYALFYKLDIVPLNN ENSNNFTY
		+
		201 * ▼
SF162	(185)	${ m V}$
TV1.8_2	(199)	$R = GY(I) \times N \times T \times Y$
TV1.8_5	(199)	R. Dynin Y
TV2.12-5/1	(185)	R GY P N K I D
Consensus	(201)	RLINCHTSTITQACPKVSFDPIPIHYCAPAGYAILKCNNKTFNGTGPCYN
		*
		251 * * 300
SF162	(235)	GVVNFT.ENAXTTI QKES
TV1.8_2	(249)	K K GII SELTETT SH. N S
TV1.8_5	(249)	K GIIII SILTENTEN HIN S
TV2.12-5/1	(235)	K K K K K K K K K K K K K K K K K K K
Consensus	(251)	VSTVQCTHGIKPVVSTQLLLNGSLAEEGIIIRSENLTENTKTIIVHLNES
	(000)	301* * * *350
SF162	(285)	V N G G G G G G G G G G G G G G G G G G
TV1.8_2	(299)	VENCEN VR OF OF THE TOP NK
TV1.8_5	(299)	V N TORNK
TV2.12-5/1	(285)	I K G G VR CO ON A GO CO CON SENT
Consensus	(301)	VEINCTRPNNNTRKSVRIGPGQAFYATNDIIGNIRQAHCNISTDRWNKTL

Consensus

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351
                                        400
   SF162
       (335) KOIVTKLQAOFGNKT-IVFKQS
 TV1.8 2
       (349) QQVMKKLGEHFPNKT-IQFKPHN LN TMNN NTSN NTSN
 TV1.8 5
       (349) QQVMKKLGEHFPNKT-IKFEPH LTM
TV2.12-5/1
       (335) QRVSQKiQELFPNSTGIKFAPHSSSSLN TTNSSSN GOSSON TVDSSS
       (351) QOVMKKLOEHFPNKT IKFKPH LANTMANN ROOM NT N
Consensus
           401
                                B20/B21
                                        450
       (384) STWNN-----TIGPN-NTNGT PN NR ENK M
   SF162
       (398) STYHS---NNGTYKYNGNSSSP Q N N M ONT A
 TV1.8 2
 TV1.8 5
       (385) STYSNGTCTNGTCMSN--NTER...Q....NMW.E.R.M....A.
TV2.12-5/1
               NGTYKYNGNSS PITLQCKIKQIIRMWQGVGQAMYAPPIAG
Consensus
       (401) STYHN
                                        500
           451
   SF162
       (427) QIRCS KEISNT--TMI
  TV1.8 2
       (445) NITCR FNTTNN--TET
  TV1.8 5
       (445) NITCR FUNTANDTE T
TV2.12-5/1
       (433) NITCR DNNTET---NT
       (451) NITCRSNITGILLTRDGGFNNTNT TETFRPGGGDMRDNWRSELYKYKV
Consensus
           501
                                        550
       (475) KE V Q E T
   SF162
  TV1.8 2
       (493) E K Q E GI V
  TV1.8 5
       (495) E.K. K. Q.K. GI. V. A.I
TV2.12-5/1
       (480) E K A E E GINV
Consensus
       (501) VEIKPLGIAPTKAKRRVVQREKRAVGIGAVFLGFLGAAGSTMGAASITLT
                                        600
           551
       (525) N. K.
   SF162
  TV1.8 2
           S Mr. I K
       (543)
  TV1.8 5
       (545)
           S: M: I K
       TV2.12-5/1
       (551) VQARQLLSGIVQQQSNLLKAIEAQQHMLQLTVWGIKQLQARVLAIERYLK
Consensus
           601
                                        650
       (575) I A P SLDQI ME
   SF162
  TV1.8 2
       (593)
           I A P S SEKDI MQ D S
  TV1.8 5
           I A PNS SEDI MONDALN
       (595)
TV2.12-5/1
       (580) N.L.S. O.DI MO.D. S
Consensus
       (601) DQQLLGIWGCSGKLICTTAVPWNSSWSNKSEADIWDNMTWMQWDREISNY
           651
                                        700
   SF162
       (625)
           NL YT N K Q E KAS D SK L
  TV1.8 2
       TV1.8 5
       (645) ETTRILED NEWKOKKELERKONE DSNEL
TV2.12-5/1
       (630) "N" YR.L.D S KD A. NN NN S NL
Consensus
       (651) TNTIYRLLEDSQNQQEKNEKDLLELDKWNNLWNWFDISNWLWYIKIFIMI
           701
                                        750
   SF162
       (675)
           T I F RF PE
  TV1.8 2
       TV1.8 5
       (695) I I A I I F LTS LL LG
TV2.12-5/1
       (680) L. LIN LG
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(701) VGGLIGLRIIFAVLSIVNRVRQGYSPLSFQTLTPSPRGPDRLGGIEEEGG

		751 800
SF162	(725)	ERDRDRSSP: HUL INNINSS SUBSTITUTE AANI
TV1.8_2	(743)	EQDRDESIR SNF SLAN NO SYNTHE AVEAN HS
TV1.8_5	(745)	EQDRDRSIR: SF.S.A.S.S.S.S.SF.LAV.AV.S.S.
TV2.12-5/1	(730)	EQDSSRSIR: SSF. AND SSE. CONTROL VVNA WHS
Consensus	(751)	EQDRDRSIRLVSGFLSLAWDDLRSLCLFSYHRLRDFILIAVRAVELLGHS
		801 850
SF162	(774)	EA WN N IQ N SLF A A
TV1.8_2	(793)	SLRGLQ EI LOS V GL KNISLL T I
TV1.8_5	(795)	SLRGLQ EI L S V GL K ISPL T A
TV2.12-5/1	(780)	SLRGLQ KNINLL T A
Consensus	(801)	SLRGLQRGWEILKYLGSLVQYWGLELKKSAISLLDTIAIAVAEGTDRIIE
		851 876
SF162	(818)	VAQRIGRAFLHI
TV1.8_2	(843)	LVQRICRAILNI XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
TV1.8_5	(845)	LVQRICRAILNI
TV2.12-5/1	(830)	FIQNLCRGIRN NO. NO. NO. NO. NO. NO. NO. NO. NO. NO
Consensus	(851)	LVQRICRAILNIPRRIRQGFEAALL